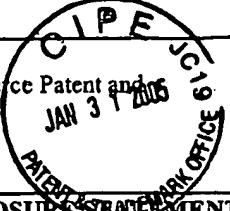


FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No.: INTEL1250-1 (P13830X)	Serial No.: 10/672,149
	Applicants: Chan, et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: September 26, 2003	Group Art Unit: 1632



U.S. PATENT DOCUMENTS

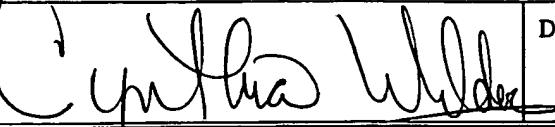
EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
CW	A	6,514,767	2/4/03	Michael Natan	436	166	
CW	B	6,608,716	8/19/03	Safonov, et al.			
CW	C	2002/058273	5/16/02	Edward Shipwash			
CW	D	2003/058799	3/27/03	Berlin, et al.			

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

CW	E	Doering, et al., "Spectroscopic Tags Using Dye-Embedded Nanoparticles and Surface -Enhanced Raman Scattering", <i>Analytical Chemistry</i> , 75(22):6171 - 6176, (2003)
CW	F	Kneip, et al., "Detection and Identification of a Single DNA Base Molecule Using Surface-Enhanced Raman Scattering (SERS)" <i>Physical Review E. Statistical Physics</i> , 57(6):R6281-R6284, (1998).
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EXAMINER GT6432089.1 1090132-27		DATE CONSIDERED 09/14/2005
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
U.S. Department of Commerce Patent and
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Docket No.:
INTEL1250-1 (P13830X)

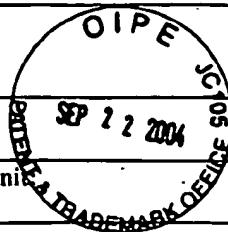
Serial No.:
10/672,149

Applicants: Chan and Su

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Filing Date:
September 26, 2003

Group Art Unit
1632



U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

CH	AA	Anderson, J.R. et al., "Fabrication of Topologically Complex Three-Dimensional Microfluidic Systems in PDMS by Rapid Prototyping", <i>Anal. Chem.</i> Vol. 72, No. 14, pp. 3158-3164, 2000.
CH	AB	Bennink, M.L. et al., "Single-Molecule Manipulation of Double-Stranded DNA Using Optical Tweezers: Interaction studies of DNA with RecA and YOYO-1", <i>Cytometry</i> , Vol. 36, pp. 200-208, 1999.
CH	AC	Craighead, H.G., "Nanoelectromechanical Systems", <i>Science</i> , Vol. 290, pp. 1532-1535, 2000.
CH	AD	Dörre, K. et al., "Techniques for single molecule sequencing", <i>Bioimaging</i> , Vol. 5, pp. 139-152, 1997.
CH	AE	Effenhauser, C.S. et al., "High-Speed Separation of Antisense Oligonucleotides on a Micromachined Capillary Electrophoresis Device", <i>Anal. Chem.</i> , Vol. 66, No. 18, pp. 2949-2953, 1994.

EXAMINER	DATE CONSIDERED
<i>Cynthia Miller</i>	9/14/2003

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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office		Docket No.: INTEL1250-1 (P13830X)	Serial No.: 10/672,149
Applicants: Chan and Su			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date: September 26, 2003	Group Art Unit: 1632

<i>CH</i>	AF	Goodman, M.F. and Tippin, B., "The Expanding Polymerase Universe", <i>Molecular Cell Biology</i> , Vol. 1, No. 2, pp. 101-109, 2000.
<i>CH</i>	AG	Harrison, D.J. et al., "Micromachining a Miniaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip", <i>Science</i> , Vol. 261, pp. 895-897, 1993.
<i>CH</i>	AH	Holmstrøm, K. et al., "A Highly Sensitive and Fast Nonradioactive Method for Detection of Polymerase Chain Reaction Products", <i>Anal. Biochem.</i> , Vol. 209, pp. 278-283, 1993.
<i>CH</i>	AI	Mehta, A.D. et al., "Single-Molecule Biomechanics with Optical Methods", <i>Science</i> , Vol. 283, pp. 1689-1695, 1999.
<i>CH</i>	AJ	Newton, C.R. et al., "The production of PCR products with 5' single-stranded tails using primers that incorporate novel phosphoramidite intermediates", <i>Nucleic Acids Research</i> , Vol. 21, No. 5, pp. 1155-1162, 1993.
<i>CH</i>	AK	Rasmussen, S.R. et al., "Covalent Immobilization of DNA onto Polystyrene Microwells: The Molecules Are Only Bound at the 5' End", <i>Anal. Biochem.</i> , Vol. 198, pp. 138-132, 1991.
<i>CH</i>	AL	Running, J.A. and Urdea, M.S., "A Procedure for Productive Coupling of Synthetic Oligonucleotides to Polystyrene Microtiter Wells for Hybridization Capture", <i>BioTechniques</i> , Vol. 8, No. 3, pp. 276-277, 1990.
<i>CH</i>	AM	Smith, S.P. et al., "Inexpensive optical tweezers for undergraduate laboratories", <i>Am. J. Phys.</i> , Vol. 67, pp. 26-35, 1999.
<i>CH</i>	AN	Walker, L.M. et al., "Mechanical manipulation of bone and cartilage cells with 'optical tweezers'", <i>FEBS Lett.</i> , Vol 459, pp. 39-42, 2000.
<i>CH</i>	AO	Woolley, A.T. and Mathies, R.A., "Ultra-high-speed DNA fragment separations using microfabricated capillary array electrophoresis chips", <i>Proc. Natl. Acad. Sci.</i> , Vol. 91, pp. 11348-11352, 1994.

EXAMINER	DATE CONSIDERED	
<i>Matthew Walker</i>	9/14	2005

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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if known</i>	
Sheet	1	of	2	Application Number	10/108,128
				Filing Date	March 26, 2002
				First Named Inventor	Selena Chan
				Group Art Unit	1712
				Examiner Name	Not yet assigned
				Attorney Docket Number	042390.P13830

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
CW		4,962,037		Jett, et al.	10/09/1990	
		5,306,403		Vo-Dinh	04/26/1994	
		5,405,747		Jett, et al.	04/11/1995	
		5,721,102		Vo-Dinh	02/24/1998	
		5,776,674		Ulmer	07/07/1998	
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Examiner Initials*	Cite No. ¹	Office ³	Foreign Patent Number ⁴	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶	
Examiner Signature	<i>Cynthia Wilder</i>					Date Considered	9/14/2005		

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Sheet	2 of 2			Application Number	10/108,128
	Filing Date	March 26, 2002			
	First Named Inventor	Selena Chan			
	Group Art Unit	1712			
	Examiner Name	Not yet assigned			
	Attorney Docket Number	042390.P13830			

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
CW	6,210,896			Chan	04/03/2001	
	6,214,246			Craighead	04/10/2001	
	6,219,137			Vo-Dinh	04/17/2001	
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	6,313,914			Roe	11/06/2001	
	6,344,272			Oldenburg, et al.	02/05/2002	
	6,376,177			Poponin	04/23/2002	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
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CW		MACHARA, N. et al., Efficient Detection of Single Molecules Eluting Off an Optically Trapped Microsphere, <i>Bioimaging</i> 6 (1998), 33-42, 1998.				
CW		1997 DOE Human Genome Program Contractor-Grantee Workshop VI, Pages 23-25, Retrieved from the Internet URL: < http://www.ornl.gov/hgmis/publicat/97santa/seqtech.html >				
CW		M. SAUER, New Strategies for DNA Sequencing Using Diode Laser-Based Time-Resolved Fluorescence Detection [Retrieved on November 12, 2001]. Retrieved from the Internet URL: < http://pc-cube01.pci.uni-heidelberg.de/alt/msauer/emsproject01.htm >. 2 pages.				
CW		Lee and Meisel, <i>J. Phys. Chem.</i> 86:3391-3395, 1982				
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CW		K. Dörre et al., "Techniques for Single Molecule Sequencing," <i>Bioimaging</i> 5 (1997) 139-152.				
CW		B. Dubertret et al., "Single-Mismatch Detection Using Gold-Quenched Fluorescent Oligonucleotides," <i>Nature Biotechnology</i> , Volume 19, 2001, 365-370.				
CW		High-Throughput Electron-Beam Lithography System, Nova Scientific , Inc, Pages 1-4, Retrieved from the Internet URL: http://www.novatechnology.net/techsearch.asp?articleid=510>				
Examiner Signature	<i>Selena Chan</i>				Date Considered	9/14/2002

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¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

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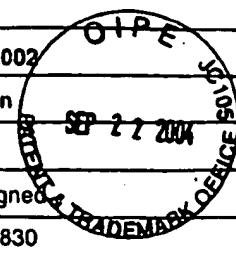
PTO/SB/08A (08-00)

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Sheet	1	of	1	Application Number	10/108,128
				Filing Date	March 26, 2002
				First Named Inventor	Selena Chan
				Group Art Unit	1712
				Examiner Name	Not yet assigned
				Attorney Docket Number	042390.P13830



OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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		Bloch <i>et al.</i> , "Optics with an atom laser beam," <i>Phys. Rev. Lett.</i> 87, 2001.	
		Ivanisevic <i>et al.</i> , "Dip-Pen' Nanolithography on Semiconductor Surfaces," <i>J. Am. Chem. Soc.</i> , 123: 7887-7889, 2001.	
		Siegel, "Ion Beam Lithography," VLSI Electronics, Microstructure Science, Vol. 16, Einspruch and Watts eds., Academic Press, New York, 1987.	
		Jin <i>et al.</i> , "Photoinduced Conversion of Silver Nanospheres to Nanoprisms," <i>Science</i> , 294: 1901-1903, 2001.	

Examiner Signature		Date Considered	9/14/2005
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